A disappointing season this year with numbers down, even compared with covid -interrupted monitoring seasons. Since 2018, sightings declined by 40% although species diversity was unchanged. On surface view, it appears the community here is stable - but the devil is in the detail! Closer inspection indicates sharp declines in species such as Orange Tips and Marbled Whites which enhance biodiversity in spring and early summer, and increases in Speckled Woods and Holly Blues. As always, weather conditions have a major impact, directly or indirectly, on numbers. This year a cold and wet spring followed by near drought conditions in the summer were a challenge for certain species, but it is also important to try to disentangle patterns in the data which are critical in assessing effectiveness of conservation.





SITE NAME CLIFTON/DURDHAM DOWN, BRISTOL

DATE 1.4 - 30.6 NEEK NO. WK 1 = 1°-7" April ot 1 - 13

BMS

RECORDER

FOD+AG TEAM

DATE 1.7 - 29.9 WEEK NO. WK 1 = 1"-7" April

14 - 26



Small skipper Large skipper Dingy skipper Grizzled skipper Wood white Clouded yellow Brimstone Large white Small white Green-velned white Orange tip Green hairstreak Purple hairstreak Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chalichill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Painted lady Small tortolseshell Peacock Comma		\$	2 4 4				an garage and reading						4		5		1			STOTE THE CONTRACT	(Ne Chieco California de la company	Total Care	24	25	26	SIGHTING	12
Dingy skipper Grizzled skipper Wood white Clouded yellow Brimstone Large white Small white Green-velned white Orange tip Green hairstreak Purple hairstreak Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chelichill blue Holly blue Large blue Duke of burgundy White admiral Ped admiral Peatned lady Small tortolseshell Peacock			4													1 2		I	1	1	1	1	1		T		
Grizzled skipper Wood white Clouded yellow Brimstone Large white Small white Green-velned white Orange tip Green hairstreak Purple hairstreak Purple hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chelidhill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Red admiral Pearock			4					W 100 100 100 100 100 100 100 100 100 10	SO Camero Anglosphelija kingar			1		1	1	1	4	E .	1		1		Į.				4
Wood white Clouded yellow Brimstone Large white Small white Green-velned white Orange tip Green hairstreak Purple hairstreak Brown hairstreak Brown hairstreak Small copper Small blue Brown argus Common blue Chalthill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Red admiral Pearcock		1	4						-			1				1	T						deterio				
Clouded yellow Brimstone Large white Small white Green-velned white Orange tip Green hairstreak Purple hairstreak Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Challchill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Red admiral Red admiral Pearcock		1	4		1			-	1						1				I		T	1	otte	T			
Brimstone Large white Small white Green-velned white Orange tip Green hairstreak Purple hairstreak Brown hairstreak White-letter hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chalkhill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Red admiral Painted lady Small tortolseshell Peacock			4		1	1		1			Microsoppy we acoust		1	-	T	1			1	Ī	T	1	-	or pocordo-serve	1	V. Control of the Parish	I
Large white Small white Green-velned white Orange tip Green hairstreak Prurple hairstreak Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chalkhill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Ped admiral Painted lady Small tortolseshell Peacock		And the second of the	4		1		The same of the sa	1									1		T	-	1	1	-	T			
Small white Green-velned white Orange tip Green hairstreak Purple hairstreak Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chalthell blue Holly blue Large blue Duke of burgundy White admiral Red admiral Red admiral Pearante lady Small tortolseshell Peacock			4		-	-																	1			4	12
Small white Green-velned white Orange tip Green hairstreak Purple hairstreak Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chalthell blue Holly blue Large blue Duke of burgundy White admiral Red admiral Red admiral Pearante lady Small tortolseshell Peacock				-	7			2					6			4	1	5				1	1			31	-36
Orange tip Green hairstreak Purple hairstreak Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chalkhill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Red admiral Painted lady Small tortolseshell Peacock			1	11	12		1	1					10		4		1	9		1	12	12	1		1	48	48
Green hairstreak Purple hairstreak Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chalkhill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Red admiral Painted lady Small tortolseshell Peacock			1		1			1									1				1	1			1		
Green hairstreak Purple hairstreak Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chalkhill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Red admiral Painted lady Small tortolseshell Peacock			2		1																			1	1	3	8
Purple hairstreak Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chalkhil blue Holly blue Large blue Duke of burgundy White admiral Red admiral Peatock				1	1	-	1	1	1		rumpouge militarion con	***************************************		nedánánesskovan	-	- Investment	1	1	1	1	1	1	Ī	1	1		1
Brown hairstreak White-letter hairstreak Small copper Small blue Brown argus Common blue Chalkhill blue Holly blue Large blue Duke of burgundy White admiral Peatned lady Small tortolseshell Peacock	+	1		1	I	1					-									1	1	1	1		1		1
White-letter hairstreak Small copper Small blue Brown argus Common blue Challchill blue Holly blue Large blue Dulke of burgundy White admiral Red admiral Patnted lady Small tortolseshell Peacock	\top	\neg	1		1	1	†	1								 			i –	1	1	1	100	1	1		1
Small copper Small blue Brown argus Common blue Challchill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Red admiral Pearned lady Small tortolseshell Peacock		_	1	1-	1	1											1	1	1	1		1	$\overline{}$	1	1		1
Small blue Brown argus Common blue Challchill blue Holly blue Large blue Duke of burgundy Write admiral Red admiral Red admiral Painted lady Small tortolseshell Peacock		1	1	1	+	1	 	1									1	1	1		 	1	1	1	1		1
Brown argus Common blue Challdhill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Painted lady Small tortolseshell Peacock	-	1	ten trottouwenii	 	-	-		distinctivities	and a traverse state of	-	sydfathautidisch	count (Austin Bridge)	etischerik Bireite	renderina salahiy bey	ni iomakustiini		+	1	-		-	+	1	+	-		4
Common blue Challdhill blue Holly blue Large blue Duke of burgundy White admiral Red admiral Painted lady Small tortolseshell Peacock	+-	10	1	+	1	1		1					-				\vdash		l		1	1	\vdash	+	1		14
Chalidhiil blue Holly blue Large blue Duke of burgundy White admiral Red admiral Painted lady Small tortolseshell Peacock	+	-	-	+	1-	-	-	-		-	6				6	2	2	5		-	 	1	1-	+	-	22	24
Holly blue Large blue Dulke of burgundy White admirel Red admiral Patinted lady Small tortolseshell Peacock	+-		+	1	-	-	-	-			0				V	-	6	2			-	+	1	1	-	122	127
Large blue Duke of burgundy White admiral Red admiral Patrited lady Small tortolseshell Peacock	+		6	-	23	-	-	1							3	7	4		3	4	1	-	1	-	-	60	36
Duke of burgundy White admirel Red admirel Paimted lady Small tortolseshell Peacock	+	-	6	-	2	-	-										17		3	4			-	+	-	52	100
White admirel Red admirel Painted lady Small tortolseshell Peacock	****	gramatic entirement	until representation	-	-	-	and the said of the said	-	-		in Central			inida adalah da ini	Constitution Assess	induction.	-	1	one-Amoria ühdib lime		-	-	<u> </u>	-	ļ		1
Red admiral Painted lady Small tortoiseshell Peacock	and an action	dalam da	Andreas and a state of the state of	-	a de la facilita de la companione de la co	Tabana keninda k		continue to end and place	eladisa Kamaranda	adospharkasha	madista solicia e e m		anichlichen bei		to o Sille and Zon	ra Kunsii in bala	Antiadilio alcinota		andra del cataloni	danie de la constantante		-	-	ir adirigaine in opti			
Painted lady Small tortolseshell Peacock	-		-		I	-		out the same of the same	market seems		understand the factor of the		interest library	and an area of	nimeista justina	and the second second	-		oriotoretical/discon	·	-	- introdución		and a stream	-	any jet and a second	1-4
Small tortolseshell Peacock	+	_	+	-	-															-		-	6	-	-	6	4
Peacock				-	-						-7						2						-	-	-	2	100
THE RESIDENCE OF THE PROPERTY		-	-	-							2	-	-			`				-			1	 	-	6	20
			+	-				-	-				1		-					-		-	1			2	8
Small pearl-bord. Frit.	+	-	+	-	-	-	-		-								-					-	<u> </u>	-		2	10
The state of the s			-	ļ	}									*************			-		-				<u> </u>				<u> </u>
High brown fritillary Dark green fritillary	+-	+	+	-	-	-				-		\rightarrow	-				-	\vdash					<u> </u>	-			-
Marsh fritillary	+		+	-	-		-							`			-							-			-
Silver-washed fritillary	+-	-	-	-	-								-		1		-			-				-	-		0
	+-		+	-				-					-	-							-			-	-	2	8
Heath fritillary	+	2	1		6		2	1500			4		7		-	W					0	4	- Ai			112	90
Speckled wood	-	3	5		6		3	15			4		7		6	16	7	6		15	2	4	4	2	5	113	80
Wall	+	+-	-		-						2						-							-	-	4	0
Marbled white	+-	-	-							_	3		-								-				-	4	8
Grayling	+-	-	+		_				0				13.		10	0.2	-					-			$\vdash \vdash$	=0	100
Gatekeeper	-	-	-						2		1.60		14		12	24	7	0	-						\vdash	59	20
Meadow brown	+-	-	+							-	12		15		12	2	3	2								47	28
Ringlet	+	-	-	-	-	\vdash					2		23													26	12
Small heath	+	+-	-										\dashv	-				-									4
TOTAL – Butterflies	2	6	23	2	51		5	19	4		30		80		52	57	26	27	8	19	5	6	11	2	5	440	
TOTAL - species	12	4	16	2	7		3	4	3		7		8			8	8	5	6	2	3	2	3	1	1		
CUMUL. TOT species	12	5	9						10	THE PERSON NAMED IN	15	THE PERSONNEL PROPERTY.	17			19							20			20/	
VEEK NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	SIGHTINGS	AVERAGE SUNSHINE

NOTES:

Recording sheet has been modified to adapt it for summarising season's data.

- Column numbers are now survey week numbers, not transect section numbers.
- Blocks indicate species presence in transect in that week.
- Numbers in blocks refer to numbers of insects in whole transec

- Column total refer to number of different species seen in that week.
- Number in final "Total" column refers to total number of species seen in the season.
- Sightings refers to number of individuals of that species recorded in the season.
- Season % refers to proportion of weeks / 26 week season when species was present









